

BENEFITS of AGRONOMIC SERVICES

- ❖ provides accurate site- and crop-specific nutrient recommendations based on field tests
- ❖ improves potential for crop productivity and profitability through responsible land management
- ❖ reduces crop loss due to nematodes and helps ensure that pesticides are used only when necessary
- ❖ quantifies the nutrient content of land-applied waste, thereby promoting responsible use of these products and protecting soil productivity, surface water and groundwater quality, food safety and human health
- ❖ analyzes nutrient content of plant tissue samples to identify nutrient problems and offer advice for appropriate corrective measures
- ❖ assesses suitability of water sources for irrigation, aquaculture, or use in pesticide or nutrient solutions
- ❖ conducts training related to improved nutrient management practices
- ❖ promotes grower transition to new crops/enterprises by providing critical nutrient management information

FOR MORE INFORMATION, CONTACT

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ESSENTIAL TOOLS FOR NUTRIENT MANAGEMENT



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NORTH CAROLINA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES

AGRONOMIC SERVICES Division



addressing nutrient management needs



to sustain crop production



to increase farm profitability



to protect the environment

Soil TESTING SECTION

- ❖ measures soil acidity
- ❖ measures levels of plant-available nutrients in the soil
- ❖ provides site- and crop-specific lime and fertilizer recommendations

Field SERVICES SECTION

- ❖ provides advice on how to collect and submit samples
- ❖ helps growers interpret reports and implement recommendations
- ❖ provides on-site consultation related to nutrient issues

NEMATODE ASSAY SECTION

- ❖ identifies plant-parasitic nematodes present in soil (and occasionally in plant tissue)
- ❖ estimates population size and its potential hazard to a crop
- ❖ provides recommendations for optimum pest management

PLANT/WASTE/SOLUTION SECTION

- ❖ measures nutrient content within the crop (plant tissue analysis)
- ❖ measures nutrient content of waste products and composted materials for use as organic soil amendments and fertilizer (waste analysis)
- ❖ assesses suitability of water sources and nutrient solutions for agricultural uses (solution analysis)